

# CLAIMS

## WHAT IS CLAIMED IS:

1. A fire fighting system, comprising:

5           pumping at least 2000 gpm water from a large water reservoir  
toward an industrial hazard; and

10           adding, in an around-the-pump system, at least one water additive  
from an additive source to the pumped water through a fitting at least  
initially separate from the pump, the fitting established on a suction side of  
the pump and in fluid communication between a reservoir outlet and the suction  
side.

15           2. The system of claim 1 including adding a water additive to a  
line through the fitting, the line in fluid communication between

- 1) a source of additive and a suction side  
of the pump and between
- 2) a reservoir outlet and a suction side of  
the pump.

3. The system of claim 1 including locating the fitting at a reservoir  
outlet.

25           4. The system of claim 1 including locating the fitting at a suction  
side of the pump.

30           5. The system of claim 1 including locating the fitting in a line  
leading from a reservoir outlet to a suction side of the pump.

6. The system of claim 1 wherein the around-the-pump system includes  
porting, through a line established on a discharge side of the pump, at least  
a portion of water from the discharge side to a suction side of the pump.

35           7. The system of claim 6 wherein the porting includes porting through a  
jet pump in fluid communication with a source of water additive.

8. The system of claim 1 wherein the water additive includes foam  
concentrate.

9. A fire fighting system, comprising;  
a large water reservoir;  
a 2000 or greater gpm pump;  
5 a source of water additive; and  
a fitting at least initially separate from the pump and attached  
between and adapted for fluid communication with
  - 1) a reservoir outlet and a suction side of the pump and
  - 10 2) an additive source and a suction side of the pump.
10. The apparatus of claim 9 with the fitting structured to provide an  
inlet for a water additive line from the additive source.
11. The apparatus of claim 9 wherein the fitting is adapted to attach  
15 to a reservoir outlet.
12. The apparatus of claim 9 wherein the fitting is adapted to attach  
to a suction side of the pump.
13. The apparatus of claim 9 wherein the fitting is adapted to attach  
20 in a line running from a reservoir outlet to a suction side of the pump.
14. The apparatus of claim 9 wherein the fitting is adapted to attach  
to a jet pump outlet, the jet pump in fluid communication with a source of  
25 water additive.
15. The apparatus of claim 9 wherein the water additive includes foam  
concentrate.
16. A fire fighting system, comprising;  
a large water reservoir;  
a 2000 or greater gpm pump;  
a source of water additive; and  
means separate from the pump for connecting an around-the-pump  
35 additive supply line with a suction side of the pump.
17. A fire fighting system, comprising;  
attaching at least one line for fluid communication of water from  
a large reservoir to a 2000 or greater gpm pump;

attaching at least one around-the-pump line for fluid  
communication of output from a discharge side of the pump to a suction side of  
the pump;

attaching at least one fitting providing for fluid communication  
5 through the around-the-pump line to a suction side of the pump.

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